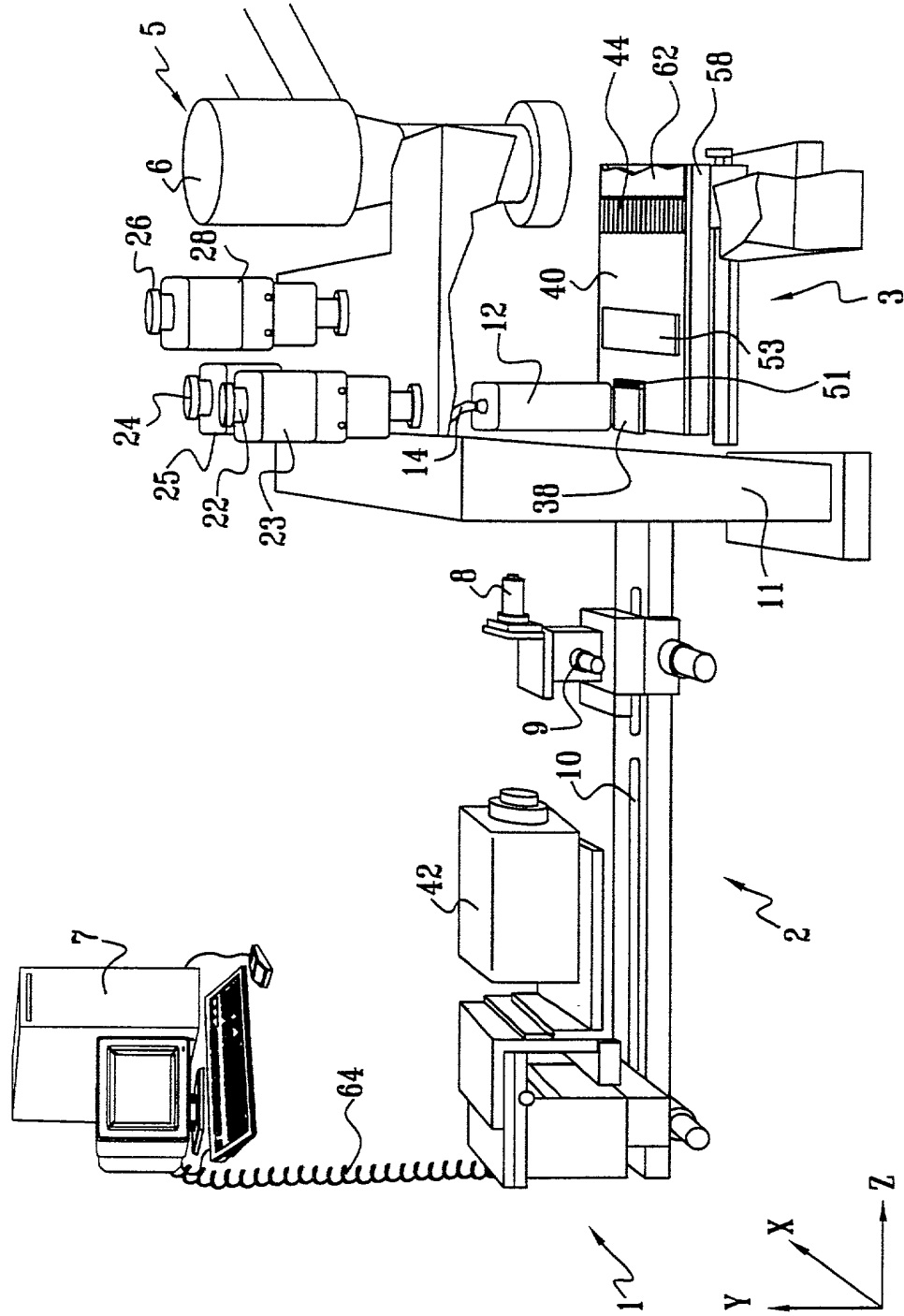


FIG. 1



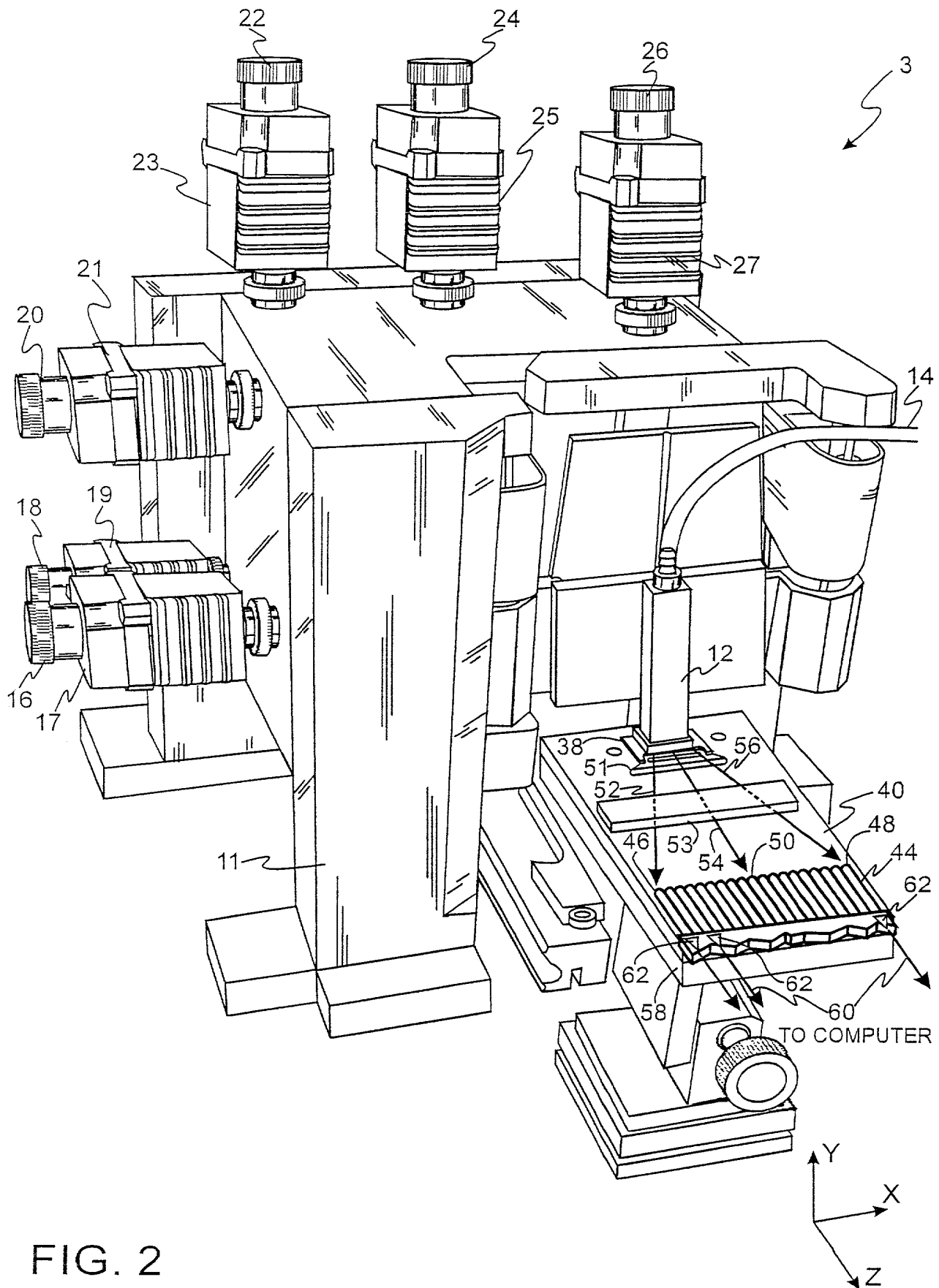


FIG. 2

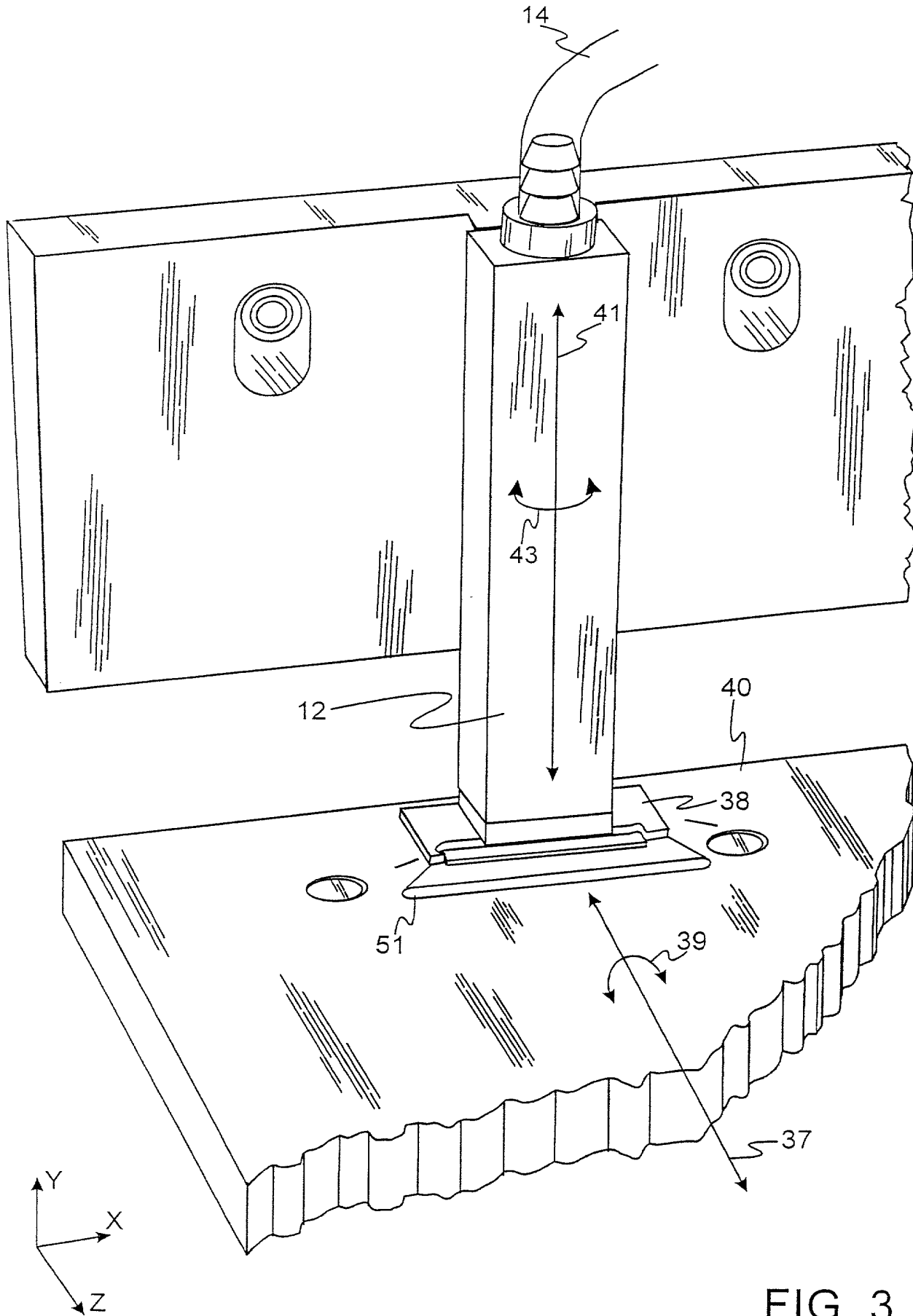


FIG. 3

PIEZO Y

JOG SIZE MICRON

JOG CONTROL

ROLL Z- (RAISES FAR SIDE) ROLL Z- (OUT FAR SIDE)

Z- IN

OUT Z+

ROLL Y- (IN FAR SIDE) ROLL Z- (LOWERS FAR SIDE)

PIEZO X

NANOSTEP POSITION

Z <sup>70</sup>

<sup>78</sup> 0Z ROLL

<sup>76</sup> 0Y ROLL

BACKLASH COMPENSATE ☐ OFF

CONFIG NAME

NANOSTEP NAMES

<sup>72</sup> Z

<sup>68</sup>  $\theta$ Z

$\theta$ Y

PIEZO NAMES

X

<sup>74</sup> Y

QUIT HOME

(NO ERROR) (ERROR OUT)

STATUS OFF CODE  SOURCE

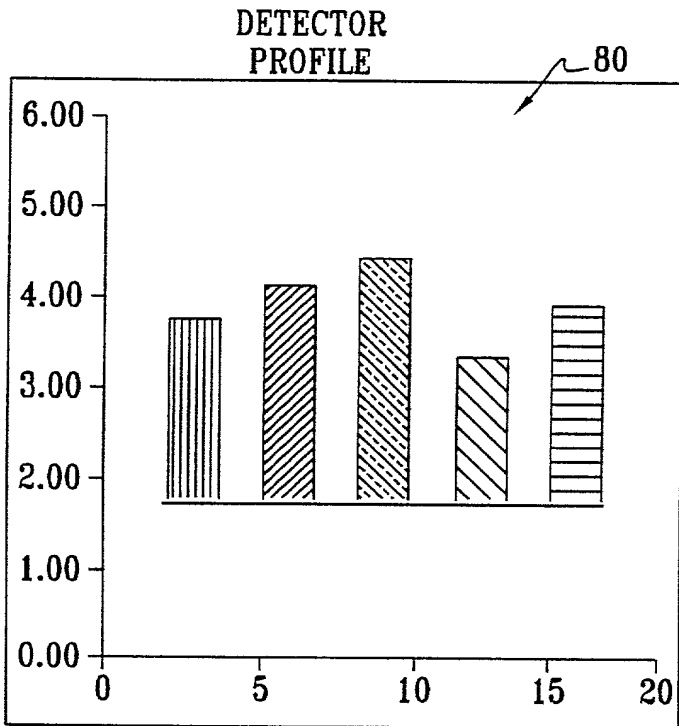
STATUS OFF CODE  SOURCE

FIG. 4A

MAP FOR FIGS.  
4A, 4B, 4C, 4D

4A	4B
4C	4D

FIG. 4B



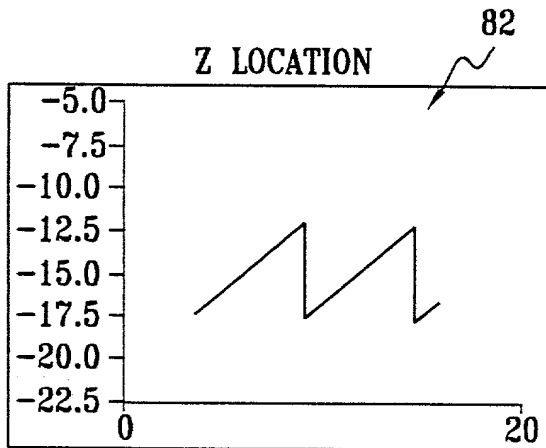
SAMPLING ON LONG TIME

NO. OF MINUTES  
BETWEEN SAMPLES  $\approx 0.20$ 

TIME IN MINUTES 0.59

NUMBER OF SAMPLES: 0

CURSOR	4	0.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CURSOR	5	0.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CURSOR	6	0.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CURSOR	7	-0.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CURSOR	8	0.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CURSOR	9	0.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	10	0.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CURSOR	11	0.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>



Z &amp; THETA Y TUNING

STOP  
TUNING

OFF

Z,Y  
MAPPING  
TO FILE

OFF

THETA Y LOCATION

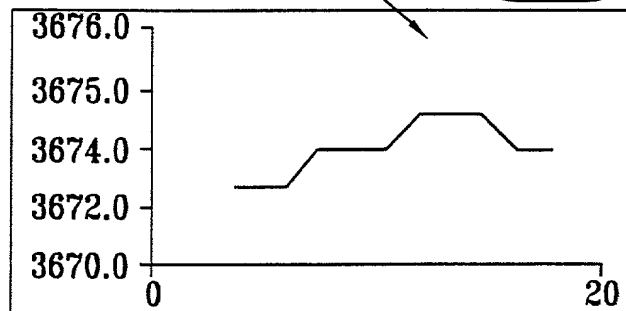
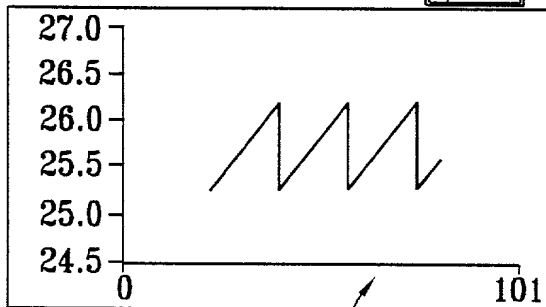
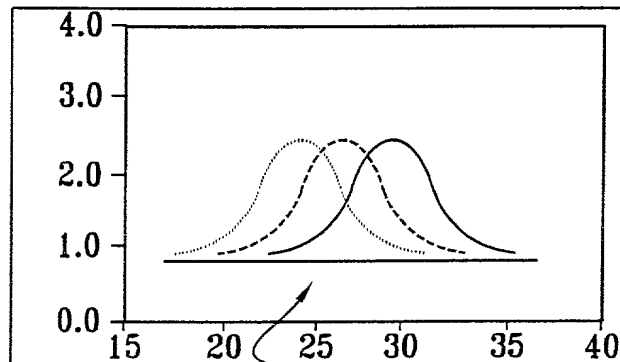
Y RANGE  
Y POSITIONY STEP  
 $\approx 0.20$ INTENSITY VS. Y WIDTH TYPE  $\approx 1/e^2$ 

FIG. 4C

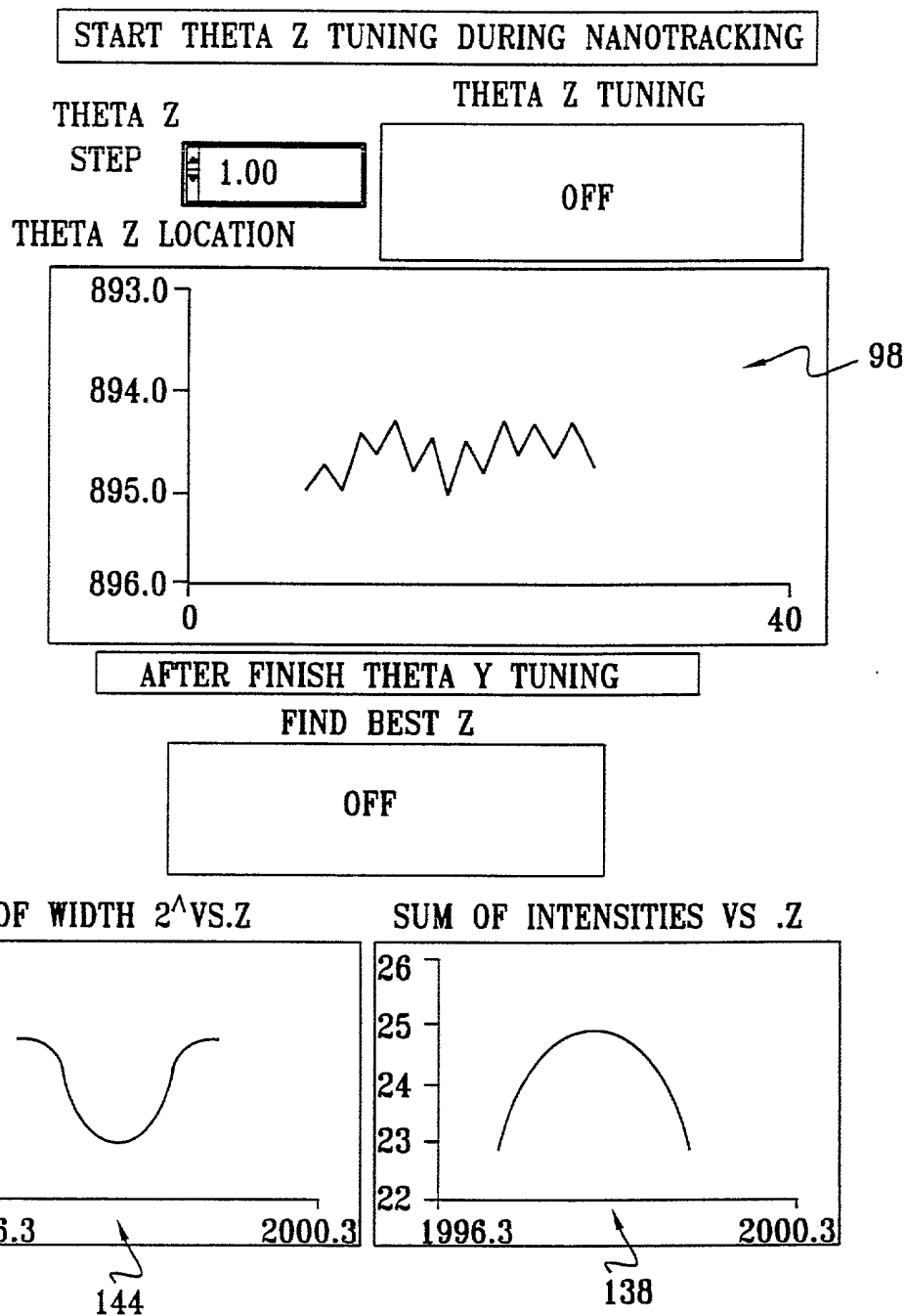




FIG. 5

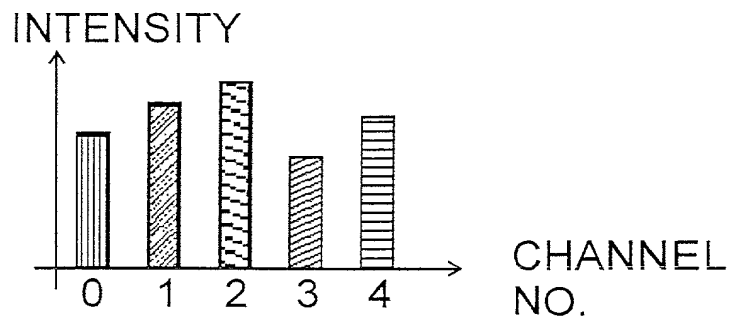


FIG. 6

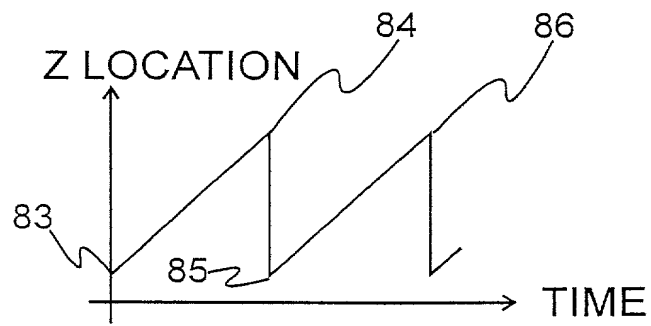


FIG. 7

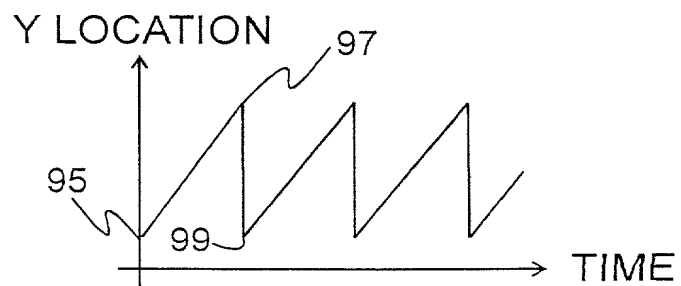




FIG. 8

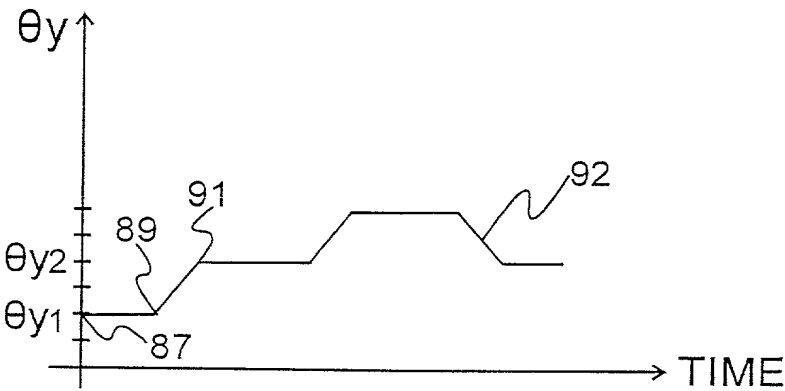


FIG. 9

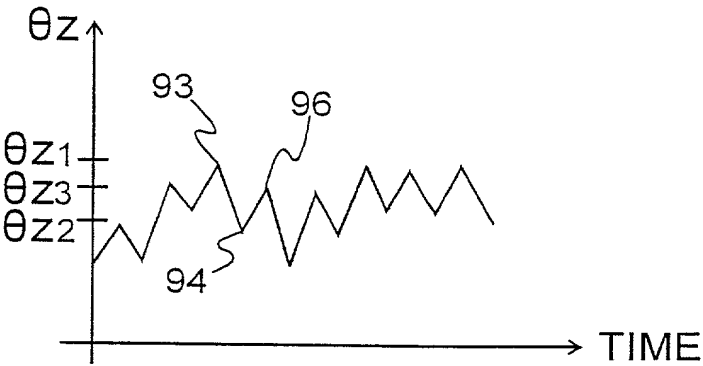
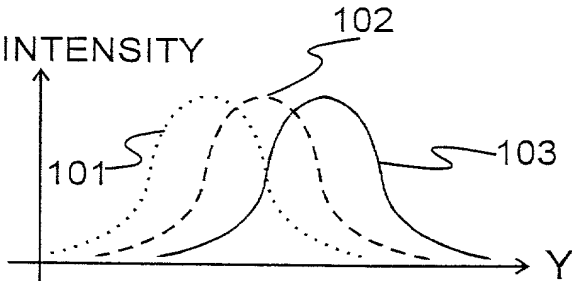


FIG. 10



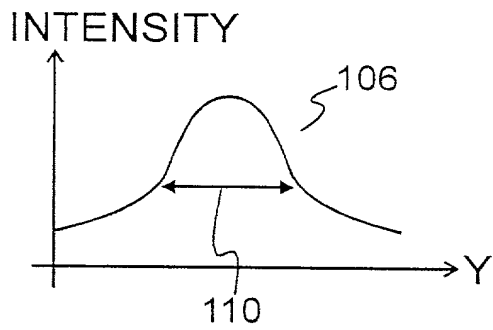
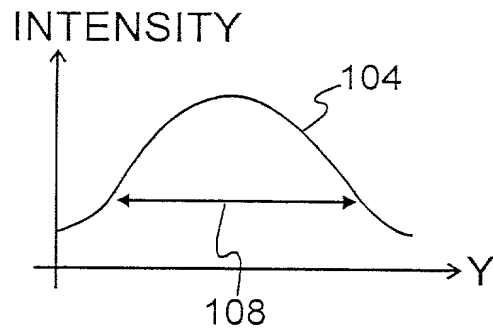


FIG. 11

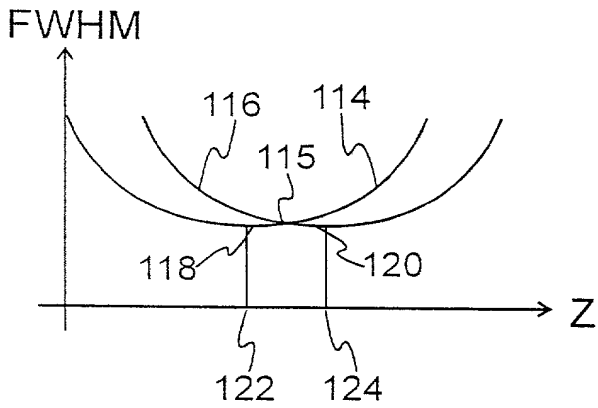


FIG. 12

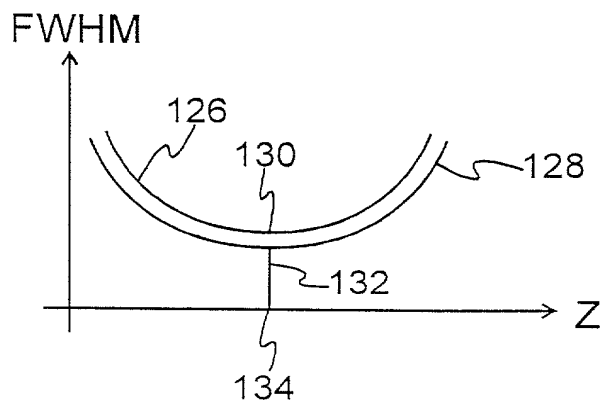


FIG. 13

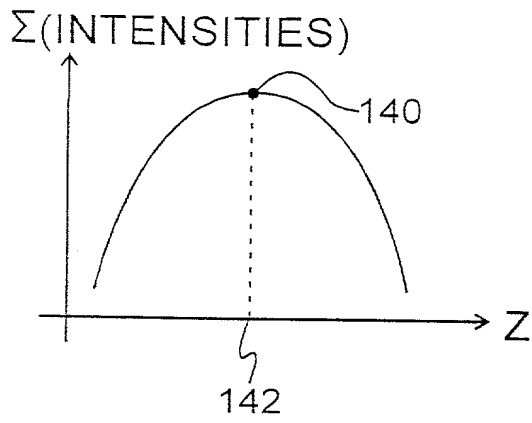


FIG. 14

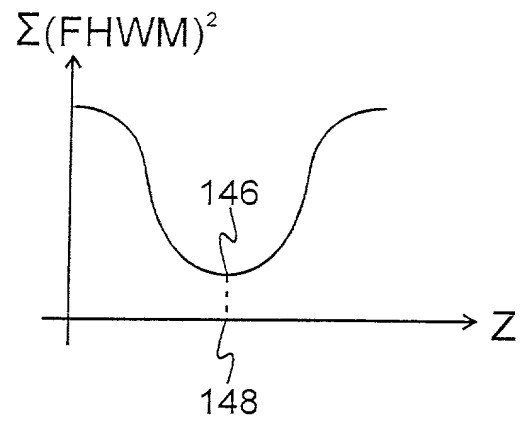


FIG. 15

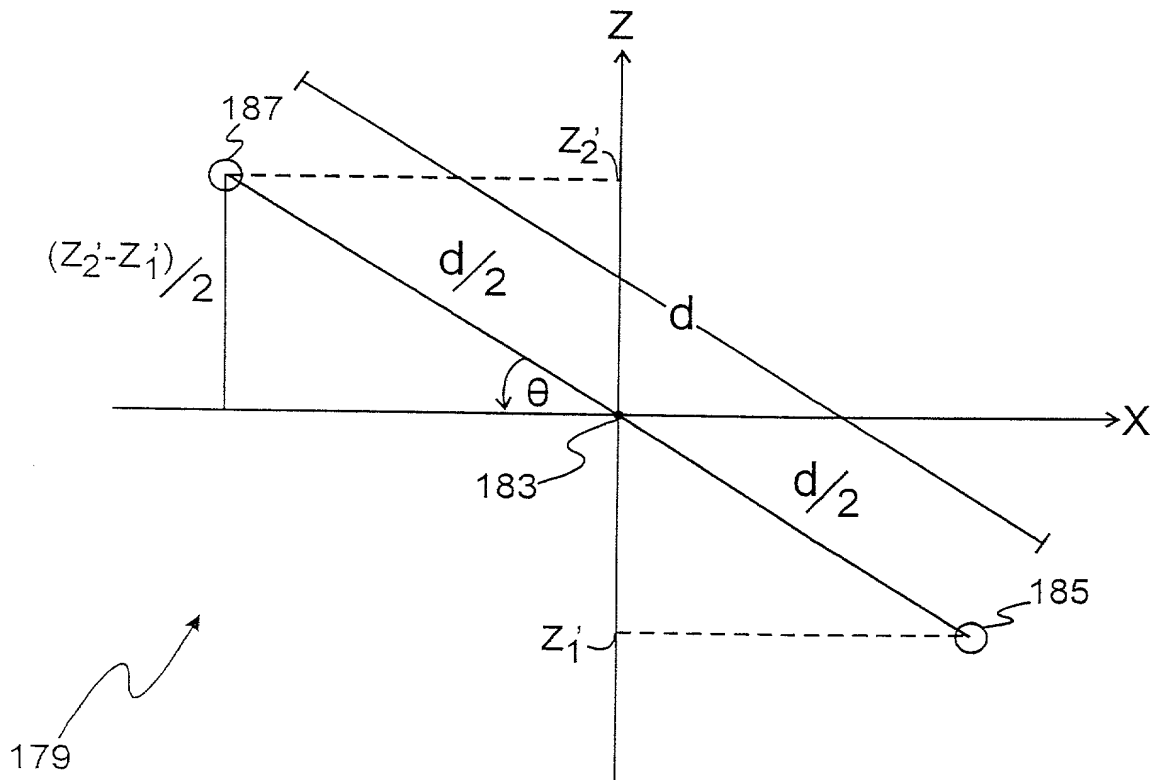


FIG. 18

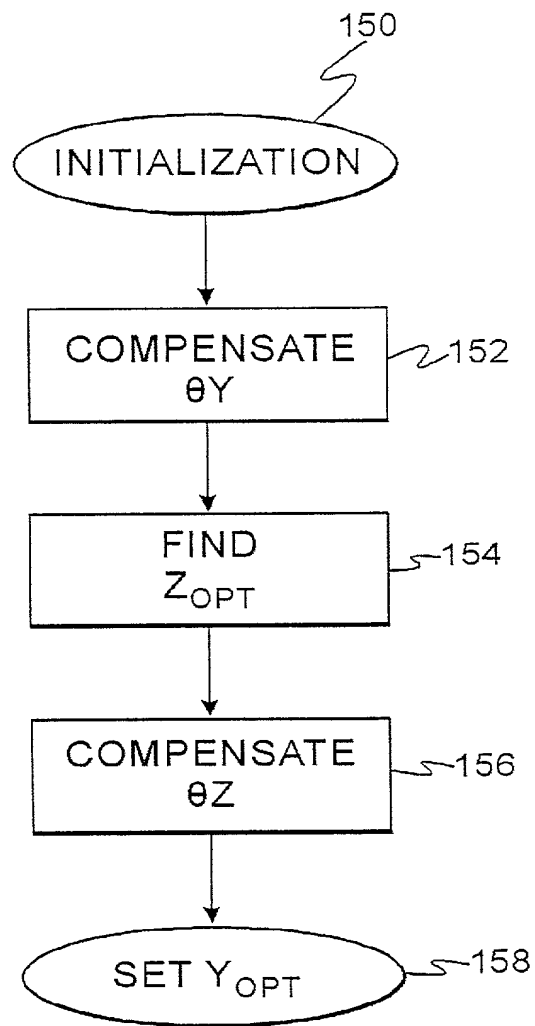


FIG. 16

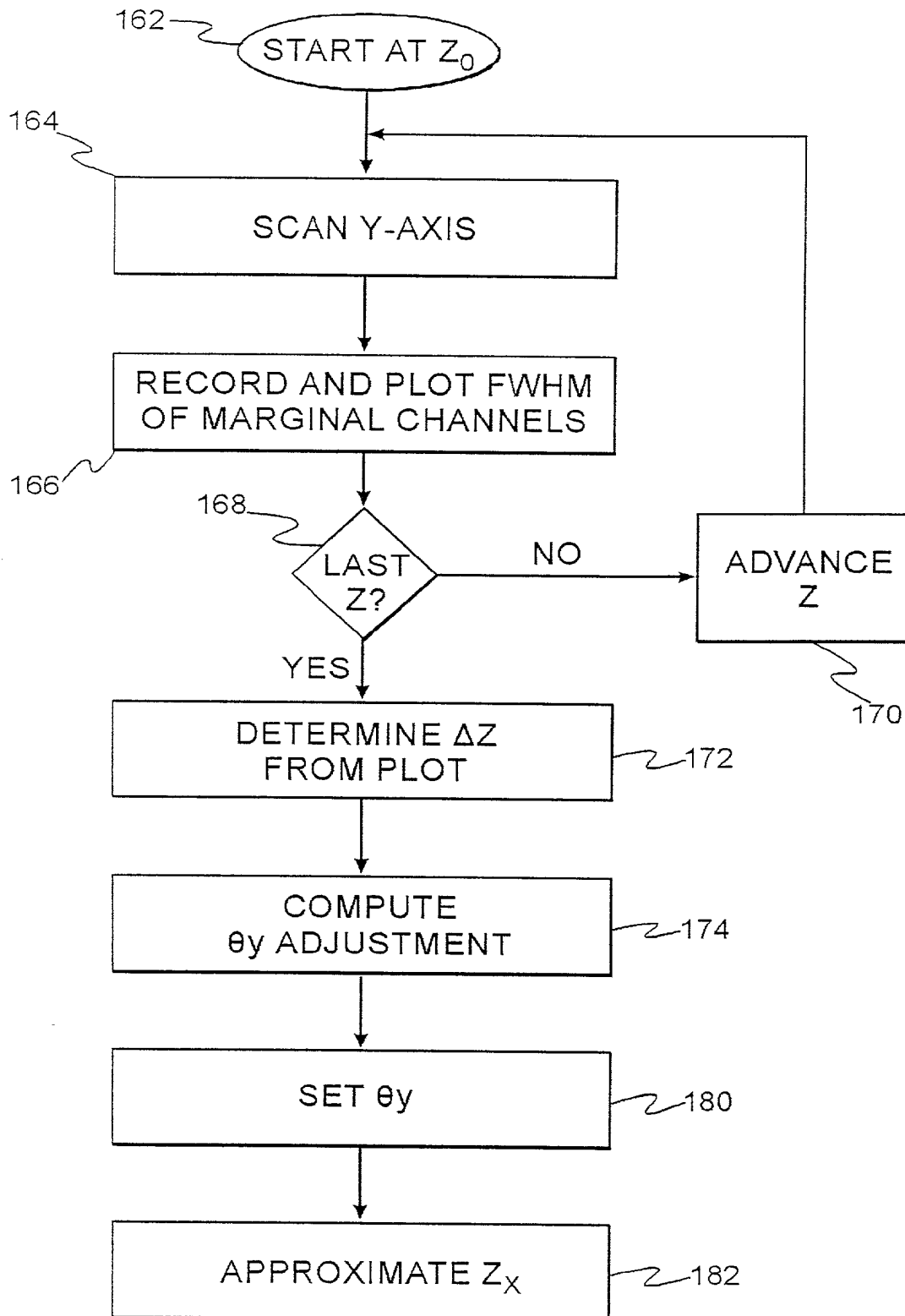


FIG. 17

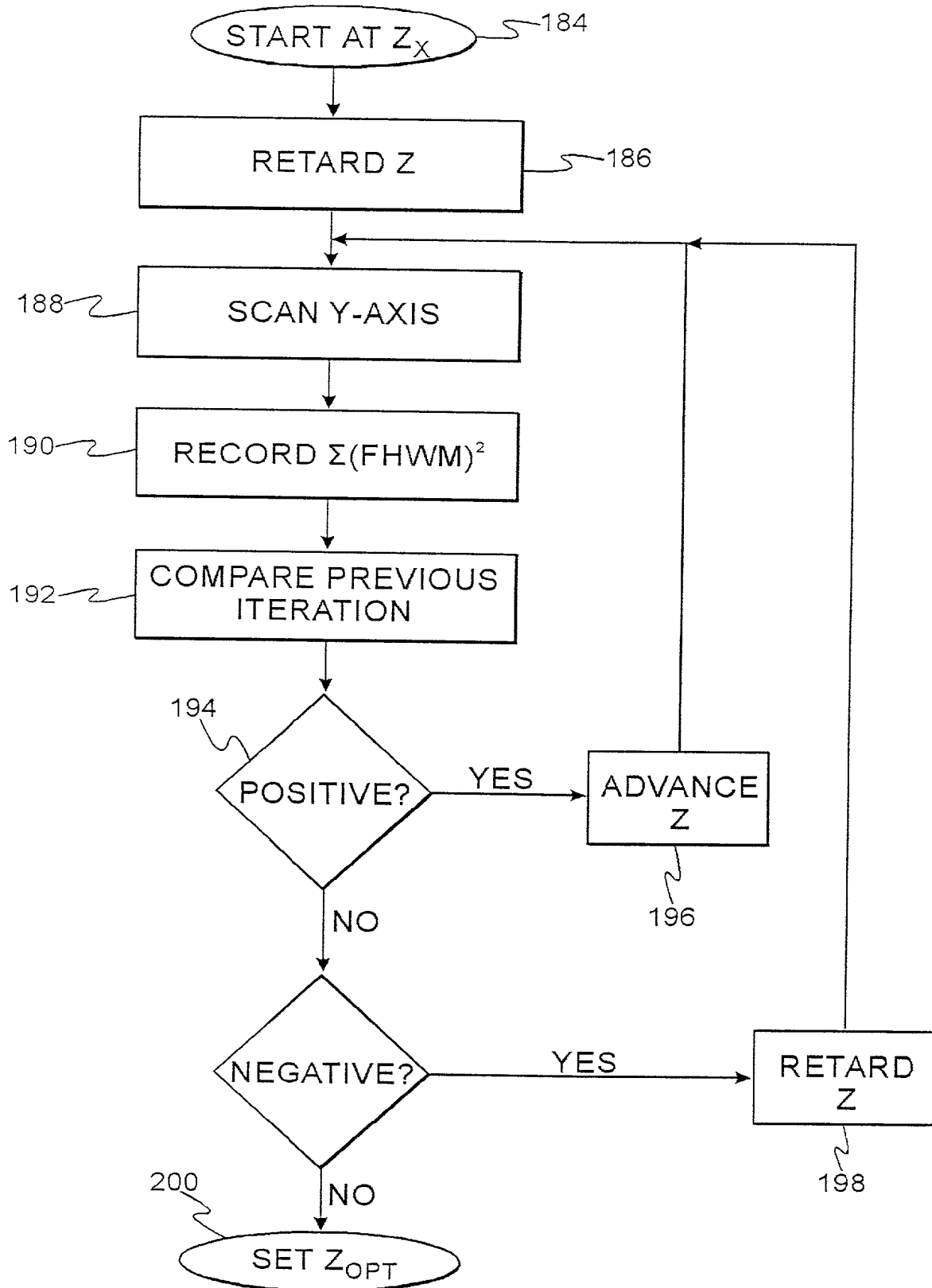


FIG. 19

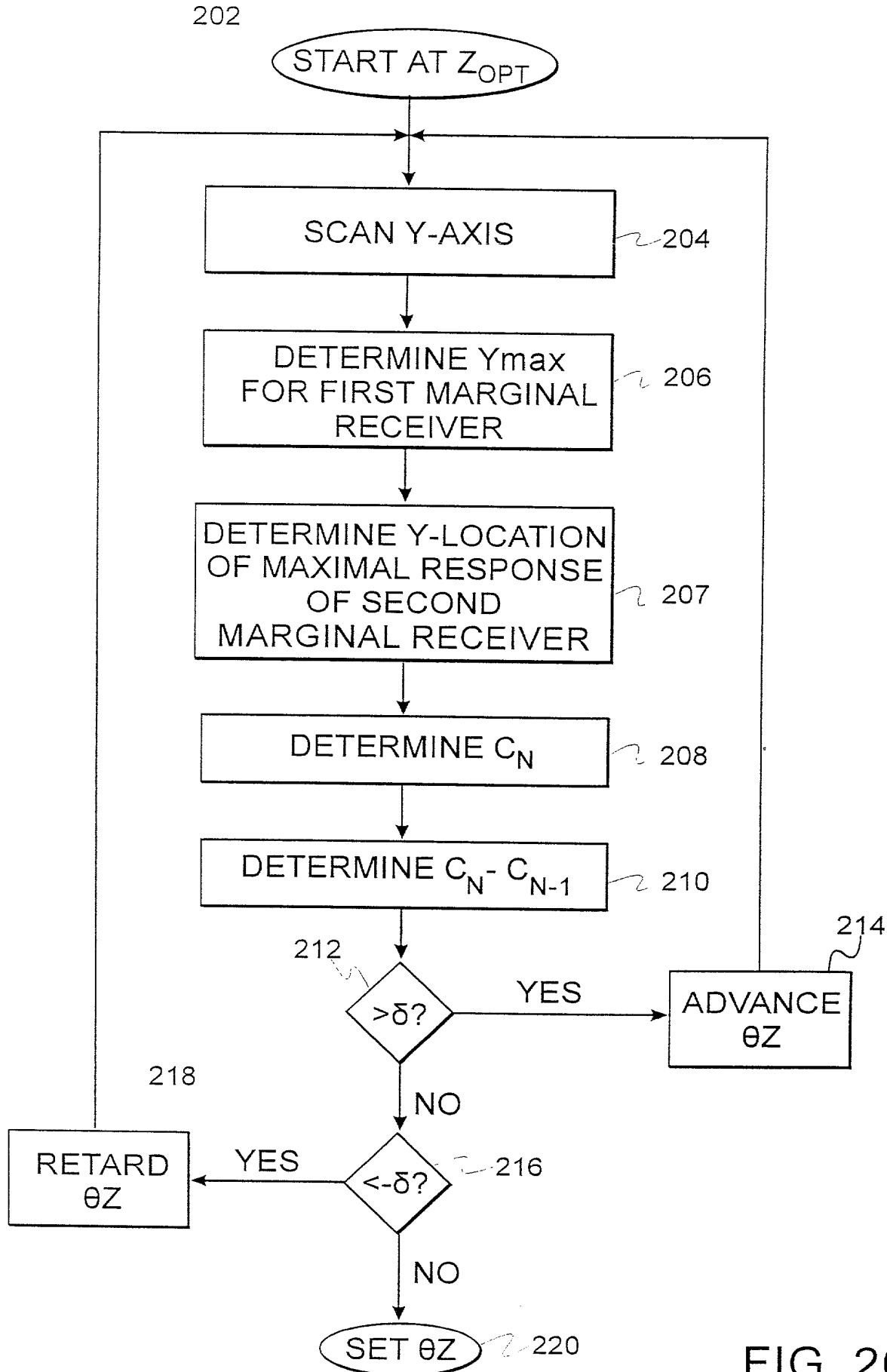


FIG. 20